

In the Claims:

Cancel claims 1 to 40.

Add the following new claims 41 to 63:

41. (New) An isolated nucleic acid molecule comprising a polynucleotide sequence selected from the group consisting of:

(a) an isolated polynucleotide encoding a polypeptide corresponding to amino acids 1 to 409 of SEQ ID NO:6 including the start codon;

(b) an isolated polynucleotide encoding a polypeptide corresponding to amino acids 2 to 409 of SEQ ID NO:5 minus the start codon;

(c) an isolated polynucleotide encoding a mature polypeptide corresponding to amino acids 53 to 409 of SEQ ID NO:5;

(d) an isolated polynucleotide encoding the TNF domain of the DmTNFv2 polypeptide corresponding to amino acids 316 to 337 of SEQ ID NO:6;

(e) an isolated polynucleotide which represents the complimentary sequence (antisense) of (a), (b), (c), (d), or fragment thereof; and

(f) a polynucleotide capable of hybridizing under stringent conditions to any one of the polynucleotides specified in (a)-(e), wherein said polynucleotide does not hybridize under stringent conditions to a nucleic acid molecule having a nucleotide sequence of only A residues or of only T residues.

42. (New) The isolated nucleic acid molecule of claim 41, wherein said polynucleotide is (a).

43. (New) The isolated nucleic acid molecule of claim 42, wherein said polynucleotide comprises nucleotides 634 to 1860 of SEQ ID NO:5.

44. (New) The isolated nucleic acid molecule of claim 41, wherein said polynucleotide is (b).

45. (New) The isolated nucleic acid molecule of claim 44, wherein said polynucleotide comprises nucleotides 637 to 1860 of SEQ ID NO:5.

46. (New) The isolated nucleic acid molecule of claim 41, wherein said polynucleotide is (c).

47. (New) The isolated nucleic acid molecule of claim 46, wherein said polynucleotide comprises nucleotides 790 to 1860 of SEQ ID NO:5.

48. (New) The isolated nucleic acid molecule of claim 41, wherein said polynucleotide is (d).

49. (New) The isolated nucleic acid molecule of claim 48, wherein said polynucleotide comprises nucleotides 1579 to 1629 of SEQ ID NO:5.

50. (New) The isolated nucleic acid molecule of claim 41, wherein said polynucleotide is (e).

51. (New) The isolated nucleic acid molecule of claim 41, wherein said polynucleotide is (f).

52. (New) A recombinant vector comprising the isolated nucleic acid molecule of claim 41.

53. (New) A recombinant host cell comprising the vector sequences of claim 52.

54. (New) A method of making an isolated polypeptide comprising:
(a) culturing the recombinant host cell of claim 53 under conditions such that said polypeptide is expressed; and
(b) recovering said polypeptide.

55. (New) The isolated polynucleotide of claim 41 wherein said nucleic acid sequence further comprises a heterologous nucleic acid sequence.

56. (New) The isolated polynucleotide of claim 55 wherein said heterologous nucleic acid sequence encodes a heterologous polypeptide.

57. (New) The isolated polynucleotide of claim 56 wherein said heterologous polypeptide is the Fc domain of immunoglobulin.

58. (New) An isolated nucleic acid molecule comprising a polynucleotide having a nucleotide sequence at least 80.0% identical to a sequence provided in claim 41, wherein percent identity is calculated using a CLUSTALW global sequence alignment.

59. (New) The isolated polynucleotide of claim 58 wherein said nucleic acid sequence further comprises a heterologous nucleic acid sequence.

60. (New) The isolated polynucleotide of claim 59 wherein said heterologous nucleic acid sequence encodes a heterologous polypeptide.